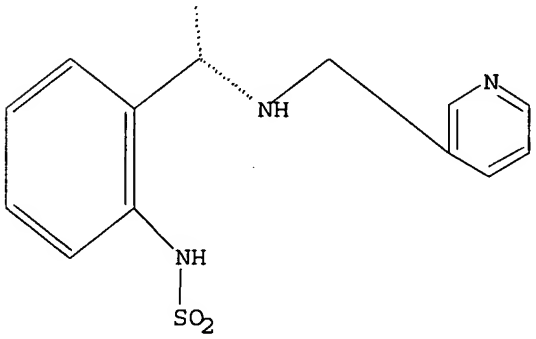
=> file caplus
FILE 'CAPLUS' ENTERED AT 10:22:57 ON 14 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 14 Apr 2005 VOL 142 ISS 16
FILE LAST UPDATED: 13 Apr 2005 (20050413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L1 STR



Structure attributes must be viewed using STN Express query preparation.
L3 30 SEA FILE=REGISTRY SSS FUL L1
L4 5 SEA FILE=CAPLUS L3

=> d l4 1-5 ibib abs hitstr

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:220139 CAPLUS
DOCUMENT NUMBER: 142:274017
TITLE: Combination of phenylcarboxylic acid amides with β-adrenoreceptor blockers and their use for the treatment of atrial arrhythmias
INVENTOR(S): Wirth, Klaus; Brendel, Joachim; Goegelein, Heinz
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

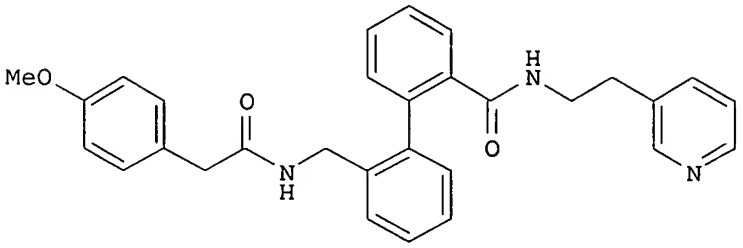
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005054673	A1	20050310	US 2004-932431	20040901
DE 10341233	A1	20050324	DE 2003-10341233	20030908
WO 2005025674	A1	20050324	WO 2004-EP9837	20040903

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10341233 A 20030908
US 2004-537612P P 20040120

GI



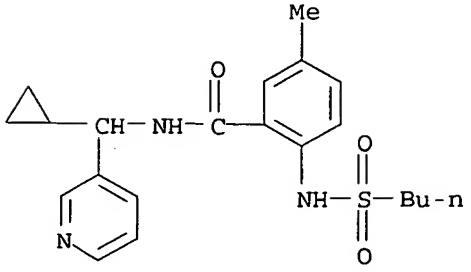
I

AB The invention discloses the combination of one or more β-blockers and one or more Kv1.5 blockers, in particular phenylcarboxamides, and/or physiol. tolerable salts thereof, and the use of the combination for the treatment or prophylaxis of atrial arrhythmias. Preparation of e.g. I is described.

IT **474450-31-2P 767334-89-4P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(phenylcarboxylic acid amide combination with β-adrenoreceptor blocker for treatment of atrial arrhythmia)

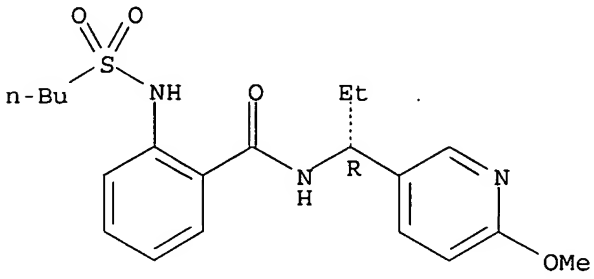
RN 474450-31-2 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)

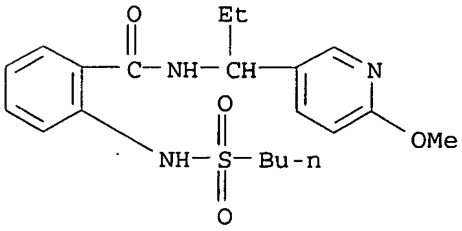


RN 767334-89-4 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

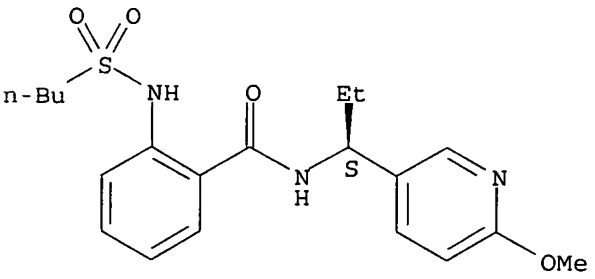


IT **474450-36-7P 767334-94-1P**
RL: PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(phenylcarboxylic acid amide combination with β-adrenoreceptor blocker for treatment of atrial arrhythmia)
RN 474450-36-7 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-94-1 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:800761 CAPLUS
DOCUMENT NUMBER: 141:314175
TITLE: Preparation of 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-1)-propyl]benzamide as a Kv1.5

potassium channel blocker

INVENTOR(S): Brendel, Joachim; Goegelein, Heinz; Wirth, Klaus; Kuerzel, Gert Ulrich

PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany

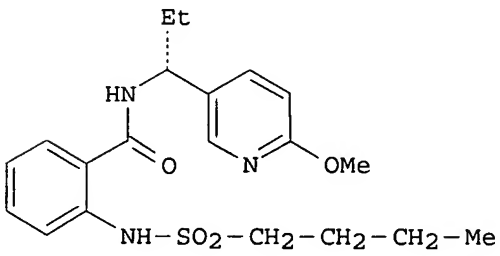
SOURCE: Ger. Offen., 10 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

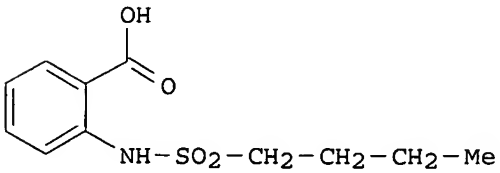
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10312073	A1	20040930	DE 2003-10312073	20030318
WO 2004083157	A1	20040930	WO 2004-EP2247	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004192738	A1	20040930	US 2004-796466	20040309

PRIORITY APPLN. INFO.: DE 2003-10312073 A 20030318
US 2003-492637P P 20030805

GI



I



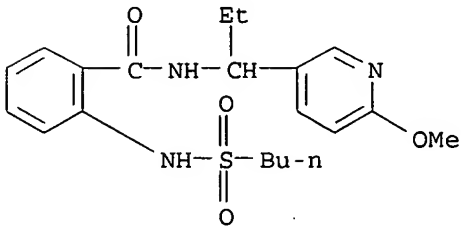
II

AB Title compound I was prepared via the coupling of 1R-(6-methoxypyridin-3-yl)propylamine and benzoic acid II, e.g., prepared from 2-aminobenzoic acid and 1-butanesulfonyl chloride, afforded claimed aminosulfonylcarboxamide I. In Kv1.5 potassium flow inhibition assays, the IC50 value of aminosulfonylcarboxamide I was 10 μM. Compound I is claimed useful for the treatment of atrial fibrillation and atrial flutter.

IT **474450-36-7P 767334-89-4P 767334-94-1P**

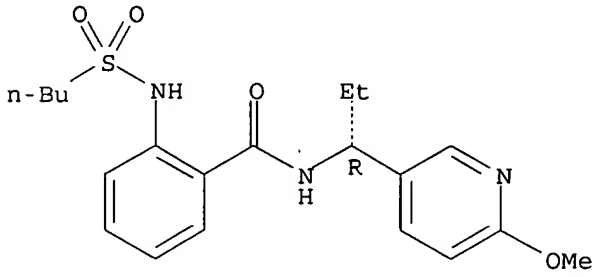
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-1)-propyl]benzamide as a Kv1.5 potassium channel blocker)

RN 474450-36-7 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



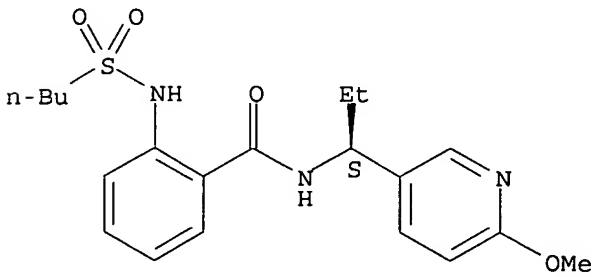
RN 767334-89-4 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-94-1 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:800760 CAPLUS
DOCUMENT NUMBER: 141:314015

10/796,466

TITLE: Preparation of 2-aminosulfonylcarboxamides and related compounds as Kv1.5 potassium channel blockers

INVENTOR(S): Brendel, Joachim; Wirth, Klaus; Goegelein, Heinz; Allessie, Maurits; Blaauw, Y.

PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany

SOURCE: Ger. Offen., 25 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

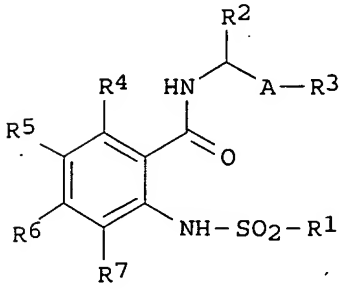
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10312061	A1	20040930	DE 2003-10312061	20030318
WO 2004082716	A1	20040930	WO 2004-EP2246	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005038083	A1	20050217	US 2004-796894	20040309

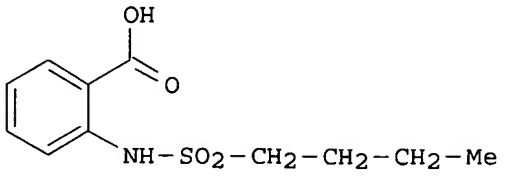
PRIORITY APPLN. INFO.:
DE 2003-10312061 A 20030318
US 2003-492640P P 20030805

OTHER SOURCE(S): MARPAT 141:314015

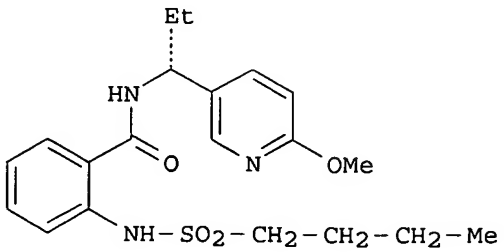
GI



I



II



III

AB Title compds. I [R1 = alkyl, quinolinyl; R2 = alkyl, cyclopropyl; R3 =

(un)substituted Ph, pyridyl (sic); A = C2H2n; n = 0-2; R4, R5, R6, R7 = H, halo, CF3, etc.] and their pharmaceutically acceptable salts were prepared For example, coupling of 1-(6-methoxypyridin-3-yl)propylamine and benzoic acid II, e.g., prepared from 2-aminobenzoic acid and 1-butanesulfonyl chloride, followed by chiral HPLC purification afforded claimed aminosulfonylcarboxamide III. In Kv1.5 potassium flow inhibition assays, 7-examples of compds. I exhibited IC50 values ranging from 0.2-10 μM, e.g., the IC50 value of aminosulfonylcarboxamide III was 10 μM. Compds. I are claimed useful for the treatment of atrial fibrillation and atrial flutter.

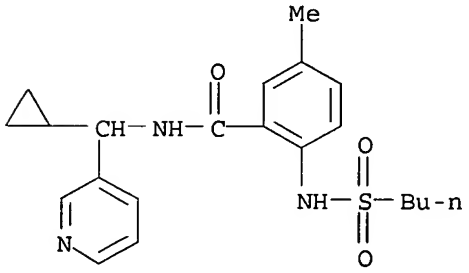
IT **474450-31-2P 474450-36-7P 767334-89-4P 767334-94-1P 767334-98-5P 767334-99-6P 767335-00-2P 767335-01-3P 767335-02-4P 767335-03-5P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-aminosulfonylcarboxamides and related compds. as Kv1.5 potassium channel blockers)

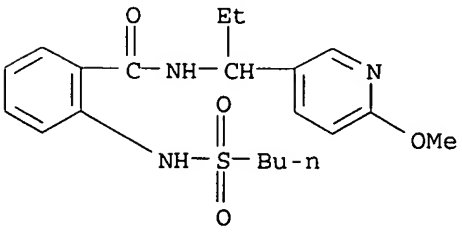
RN 474450-31-2 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



RN 474450-36-7 CAPLUS

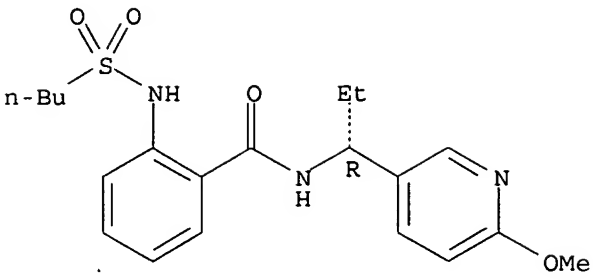
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-89-4 CAPLUS

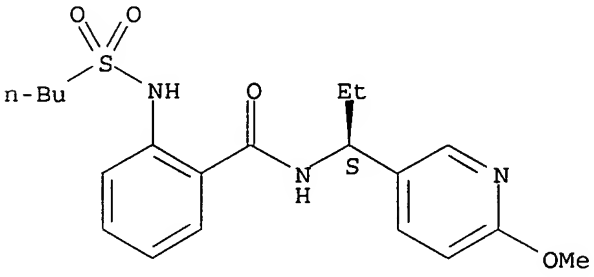
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-94-1 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

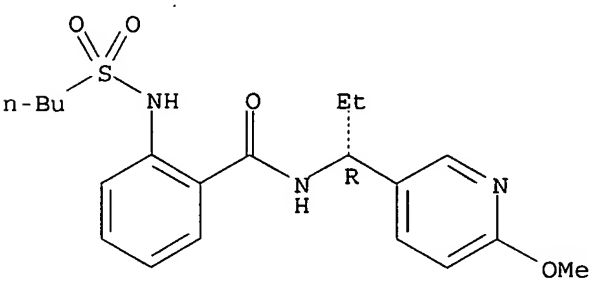


RN 767334-98-5 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

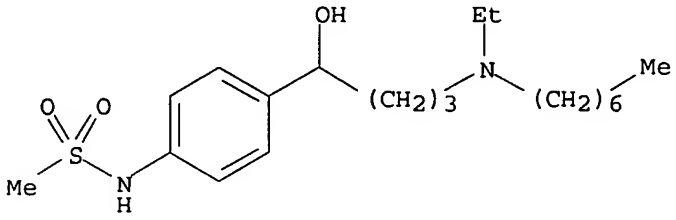
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

CRN 122647-31-8
CMF C20 H36 N2 O3 S

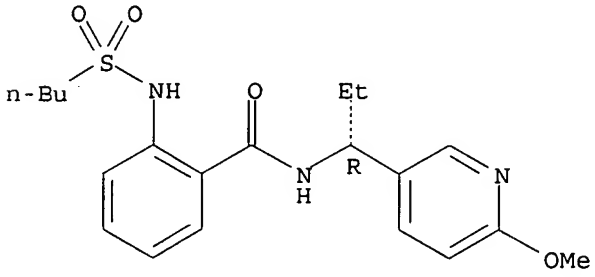


RN 767334-99-6 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[2-[methyl[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

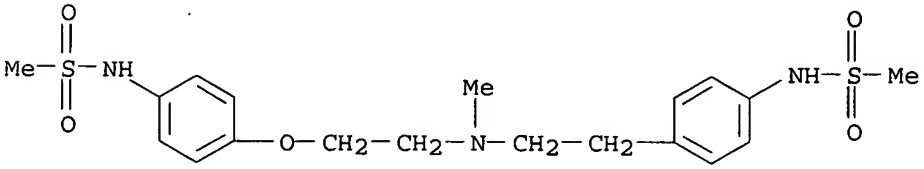
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

CRN 115256-11-6
CMF C19 H27 N3 O5 S2

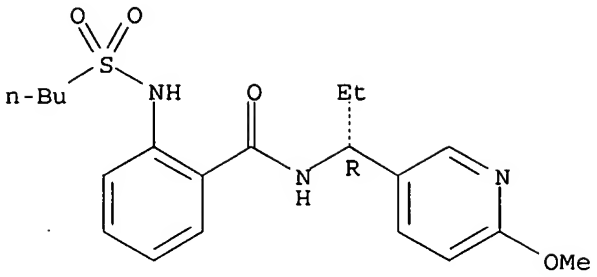


RN 767335-00-2 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

CM 1

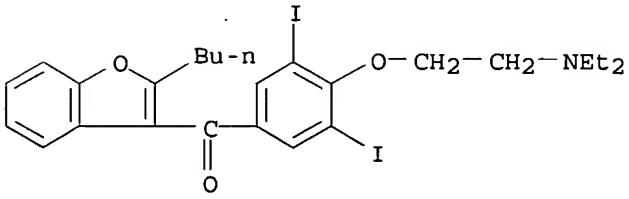
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

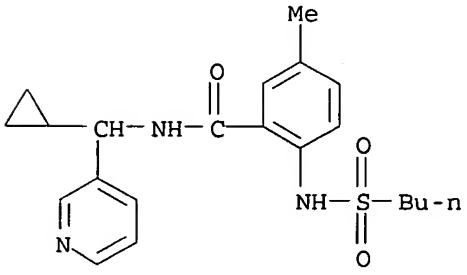
CRN 1951-25-3
CMF C25 H29 I2 N O3



RN 767335-01-3 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

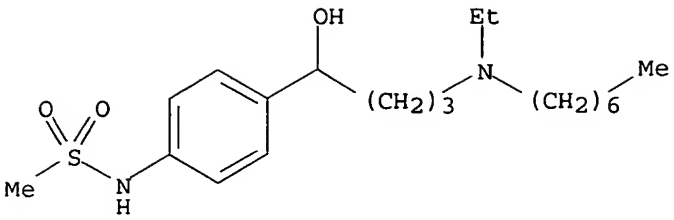
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

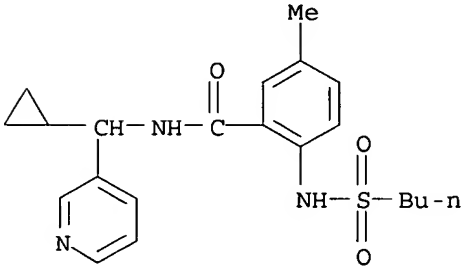
CRN 122647-31-8
CMF C20 H36 N2 O3 S



RN 767335-02-4 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[2-[methyl[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

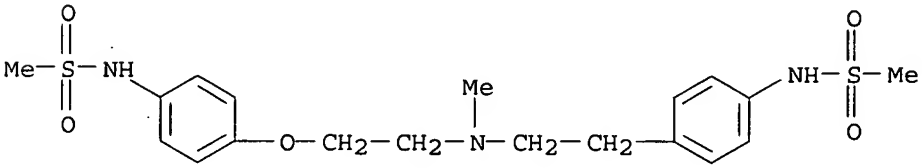
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

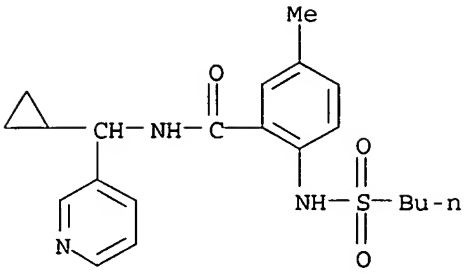
CRN 115256-11-6
CMF C19 H27 N3 O5 S2



RN 767335-03-5 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

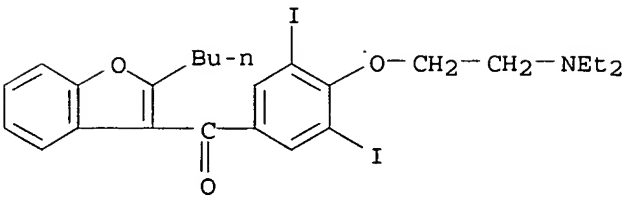
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

CRN 1951-25-3
CMF C25 H29 I2 N O3



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

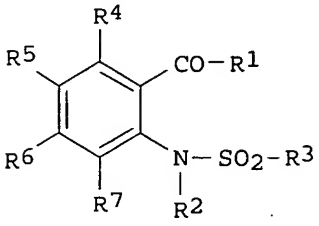
L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:964322 CAPLUS
DOCUMENT NUMBER: 138:24550
TITLE: Preparation of anthranilic acid amides as antiarrhythmics
INVENTOR(S): Brendel, Joachim; Boehme, Thomas; Peukert, Stefan; Kleemann, Heinz-Werner
PATENT ASSIGNEE(S): Aventis Pharma Deutschland G.m.b.H., Germany
SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100825	A2	20021219	WO 2002-EP5956	20020531
WO 2002100825	A3	20031211		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10128331	A1	20021219	DE 2001-10128331	20010612

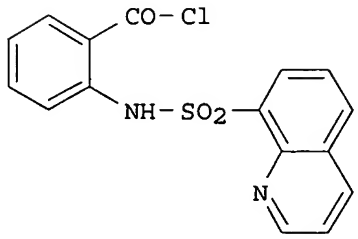
EE 200300558	A	20040216	EE 2003-558		20020531
EP 1399423	A2	20040324	EP 2002-745333		20020531
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2002010374	A	20040713	BR 2002-10374		20020531
JP 2004533464	T2	20041104	JP 2003-503594		20020531
US 2003114499	A1	20030619	US 2002-166595		20020612
ZA 2003008520	A	20040906	ZA 2003-8520		20031031
BG 108415	A	20040730	BG 2003-108415		20031204
PRIORITY APPLN. INFO.:			DE 2001-10128331	A	20010612
			WO 2002-EP5956	W	20020531

OTHER SOURCE(S): MARPAT 138:24550

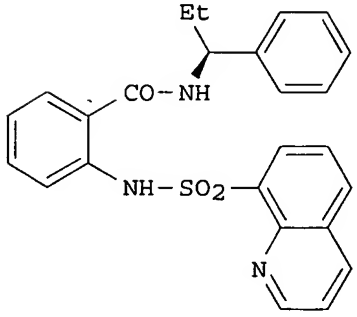
GI



I



II



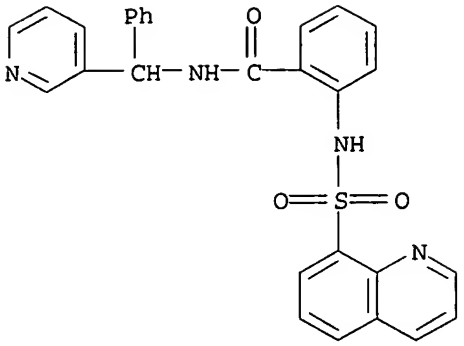
III

AB Title compds. I [R1 = NR8-C(R9)(R10)-A-O-E-R11, NR8-C(R9)(R12)-A-D-E-R11, NR13-C(R9)(R10)-A-D-E-R11, etc.; A = CnH2n; n = 0-5; D = bond, O; E = CmH2m; m = 0-5; R8 = H, alkyl, CpH2p-R14; p = 0-5; R14 = (un)substituted Ph, naphthyl, heteroaryl, etc.; R9 = H, alkyl; R10 = H, alkyl, (un)substituted Ph, etc.; R11 = cycloalkyl, (un)substituted Ph, naphthyl, etc.; R12 = alkyl, alkynyl, cycloalkyl, etc.; R13 = CpH2p-R14; R2 = H, alkyl; R3 = (un)substituted heteroaryl; R4, R5, R6, R7 = H, halo, CF3, etc.] and their pharmaceutically acceptable salts were prepared For example, coupling of acid chloride II, e.g., prepared from anthranilic acid in 2-steps, and (S)-1-phenylpropylamine afforded amide III. Compds. I act upon the Kv1.5 potassium channel and inhibit a potassium flow described as ultra-rapidly activating delayed rectifier in the human cardiac atrium.

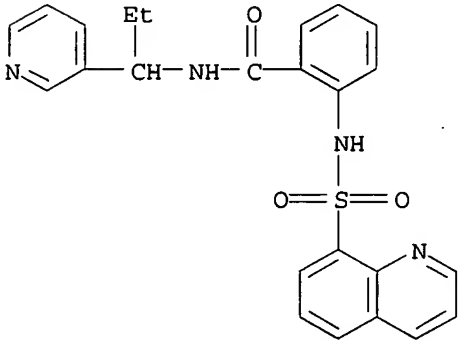
IT **478263-07-9P 478263-12-6P 478263-72-8P 478263-77-3P 478263-84-2P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of anthranilic acid amides as antiarrhythmics)

RN 478263-07-9 CAPLUS

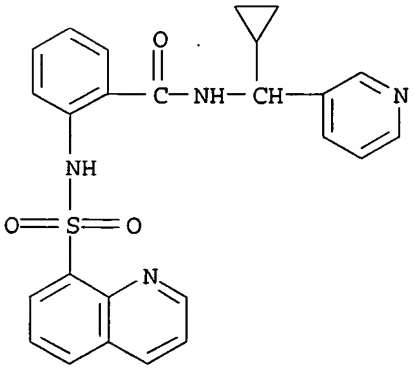
CN Benzamide, N-(phenyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]-(9CI) (CA INDEX NAME)



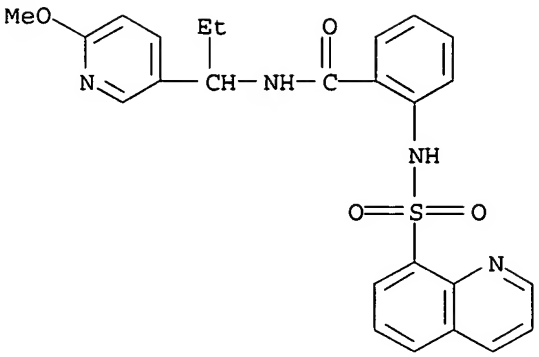
RN 478263-12-6 CAPLUS
CN Benzamide, N-[1-(3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



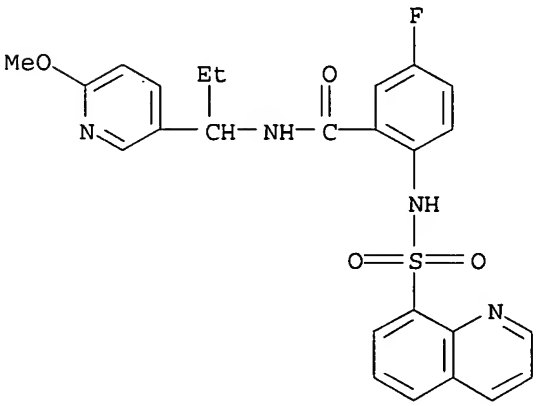
RN 478263-72-8 CAPLUS
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-77-3 CAPLUS
CN Benzamide, N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-84-2 CAPLUS
CN Benzamide, 5-fluoro-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:849582 CAPLUS
DOCUMENT NUMBER: 137:352782
TITLE: Preparation of anthranilic acid amides as antiarrhythmics
INVENTOR(S): Brendel, Joachim; Pirard, Bernard; Peukert, Stefan; Kleemann, Heinz-Werner; Hemmerle, Horst
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

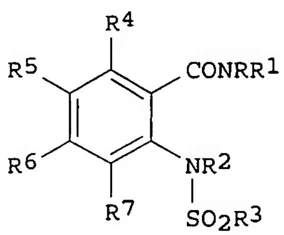
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002088073	A1	20021107	WO 2002-EP4138	20020413

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,

	CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10121003	A1	20021219	DE 2001-10121003		20010428
CA 2445341	AA	20021107	CA 2002-2445341		20020413
EP 1385820	A1	20040204	EP 2002-742898		20020413
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
EE 200300529	A	20040216	EE 2003-529		20020413
BR 2002009185	A	20040803	BR 2002-9185		20020413
JP 2004527557	T2	20040909	JP 2002-585377		20020413
US 2003187033	A1	20031002	US 2002-132163		20020426
ZA 2003006991	A	20040831	ZA 2003-6991		20030908
BG 108215	A	20040930	BG 2003-108215		20030930
NO 2003004751	A	20031113	NO 2003-4751		20031023
PRIORITY APPLN. INFO.:			DE 2001-10121003	A	20010428
			WO 2002-EP4138	W	20020413

OTHER SOURCE(S): MARPAT 137:352782

GI



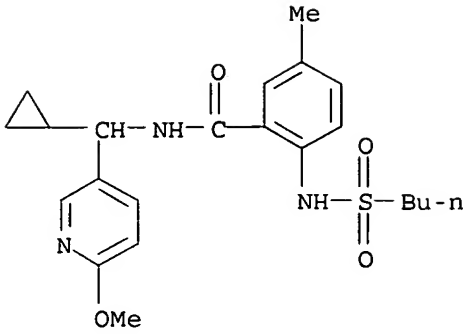
I

AB Title compds. [I; R = H, C1-4 alkyl, CpH2pR14, etc.; p = 0-5; R14 = cycloalkyl(substituted) (hetero)aryl; R1 = (branched) (unsatd.) (substituted) O-interrupted alkyl; R2 = H, C1-4 alkyl; R3 = C3-7 alkyl, C3-7 cycloalkyl, (substituted) naphthyl, Ph; R4-R7 = F, Cl, Br, I, CF3, OCF3, OCHF2, NO2, cyano, CO2Me, CONH2, COMe, OH, C1-4 alkyl, C1-4 alkoxy, N(Me)2, SO2NH2, NHSO2Me], were prepared Thus, 0.6 mmol 2-phenylsulfonylamino-5-chlorobenzoyl chloride (preparation given) was added to a mixture of 0.66 mmol S-(-)-1-methylbenzylamine and 0.9 mmol Et3N in CH2Cl2 followed by stirring over night at room temperature to give 61 mg (S)-2-phenylsulfonylamino-5-chloro-N-(1-phenylethyl)benzamide. I act upon the Kv1.5 potassium channel and inhibit a potassium flow described as ultra-rapidly activating delayed rectifier in the human cardiac atrium. Tested I inhibited human Kv1.5 potassium flow in oocytes of Xenopus laevis with IC50 = 0.3->10 μM. β -Blockers and IKs-channel blockers can be used for the tablet formulation.

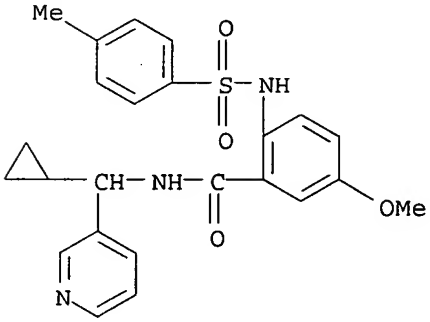
IT **474450-28-7P 474450-30-1P 474450-31-2P**
474450-33-4P 474450-36-7P 474450-38-9P
474450-40-3P 474450-43-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of anthranilic acid amides as antiarrhythmics)

RN 474450-28-7 CAPLUS

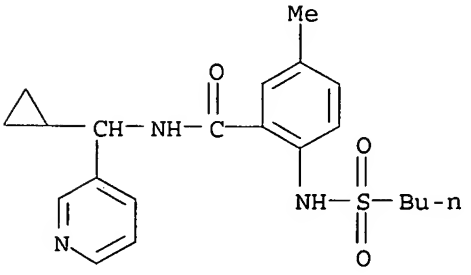
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[cyclopropyl(6-methoxy-3-pyridinyl)methyl]-5-methyl- (9CI) (CA INDEX NAME)



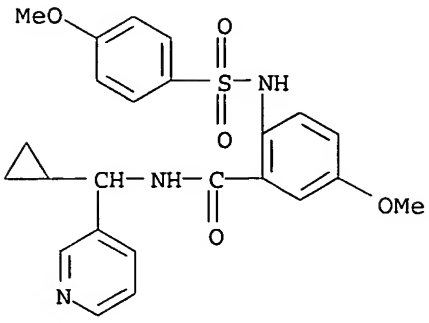
RN 474450-30-1 CAPLUS
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[[(4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



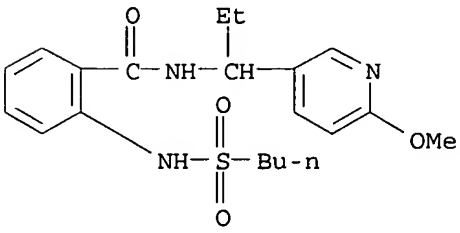
RN 474450-31-2 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



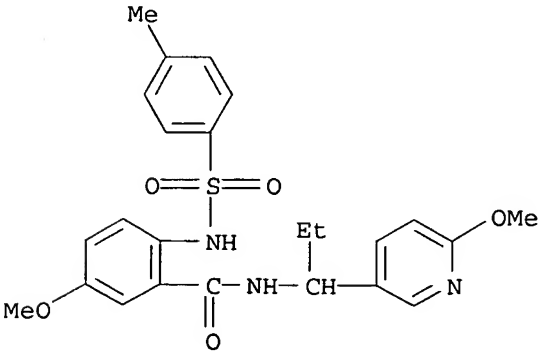
RN 474450-33-4 CAPLUS
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[[(4-methoxyphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



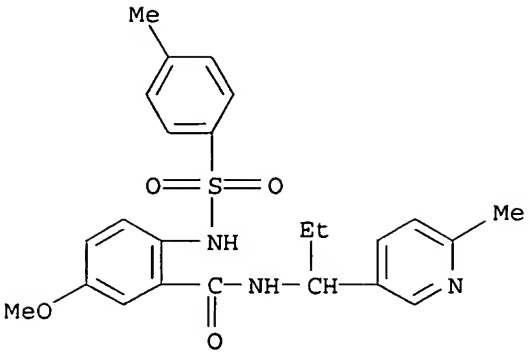
RN 474450-36-7 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



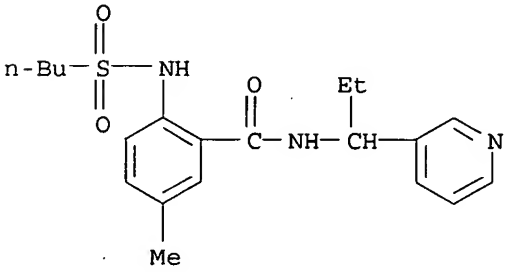
RN 474450-38-9 CAPLUS
CN Benzamide, 5-methoxy-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[[(4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



RN 474450-40-3 CAPLUS
CN Benzamide, 5-methoxy-2-[[(4-methylphenyl)sulfonyl]amino]-N-[1-(6-methyl-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 474450-43-6 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-5-methyl-N-[1-(3-pyridinyl)propyl]-
(9CI) (CA INDEX NAME)

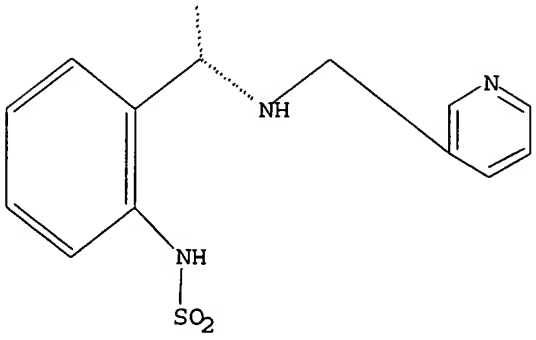


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> => file uspatall
FILE 'USPATFULL' ENTERED AT 10:24:02 ON 14 APR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 10:24:02 ON 14 APR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que
L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 30 SEA FILE=REGISTRY SSS FUL L1
L5 5 SEA L3

=> d l5 1-5 ibib abs hitstr

L5 ANSWER 1 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2005:63631 USPATFULL
TITLE: Combination of phenylcarboxylic acid amides with beta-adrenoreceptor blockers and their use for the treatment of atrial arrhythmias
INVENTOR(S): Wirth, Klaus, Kriftel, GERMANY, FEDERAL REPUBLIC OF
Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF
Goegelein, Heinz, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

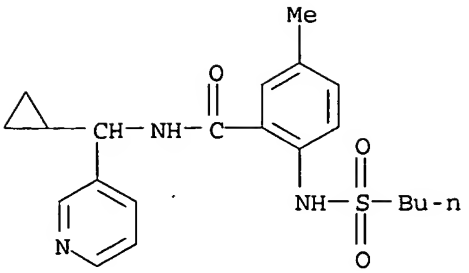
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005054673	A1	20050310
APPLICATION INFO.:	US 2004-932431	A1	20040901 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10341233	20030908
	US 2004-537612P	20040120 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ROSS J. OEHLER, AVENTIS PHARMACEUTICALS INC., ROUTE 202-206, MAIL CODE: D303A, BRIDGEWATER, NJ, 08807
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
LINE COUNT: 954
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to the combination of one or more beta-blockers and of one or more Kv1.5 blockers, in particular phenylcarboxamides of the formula la and/or lb ##STR1##

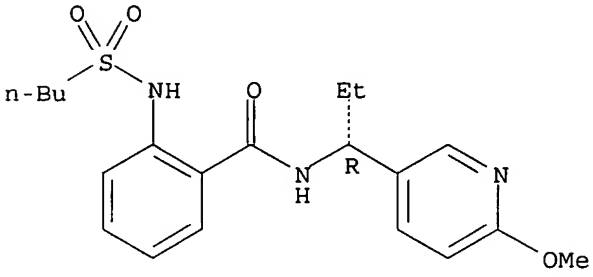
and/or physiologically tolerable salts thereof, and the use of the combination for the treatment or prophylaxis of atrial arrhythmias.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **474450-31-2P 767334-89-4P**
(phenylcarboxylic acid amide combination with β-adrenoreceptor blocker for treatment of atrial arrhythmia)
RN 474450-31-2 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)

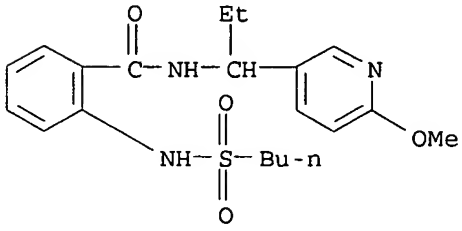


RN 767334-89-4 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

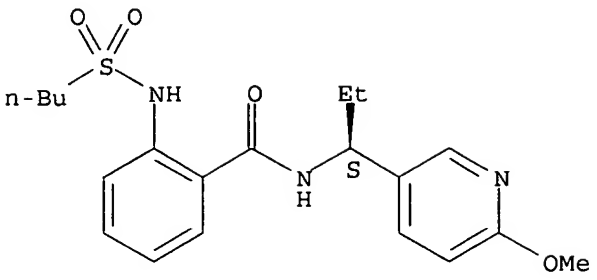


IT **474450-36-7P 767334-94-1P**
(phenylcarboxylic acid amide combination with β-adrenoreceptor blocker for treatment of atrial arrhythmia)
RN 474450-36-7 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-94-1 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2005:44350 USPATFULL
TITLE:	Combination of phenylcarboxamides with blockers of the IKr channel and their use for the treatment of atrial arrhythmias
INVENTOR(S):	Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF Wirth, Klaus, Kriftel, GERMANY, FEDERAL REPUBLIC OF Goegelein, Heinz, Frankfurt, GERMANY, FEDERAL REPUBLIC OF Allessie, Maurits, Maastricht, NETHERLANDS Blaauw, Yuri, Maastricht, NETHERLANDS
PATENT ASSIGNEE(S):	Aventis Pharma Deutschland GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005038083	A1	20050217
APPLICATION INFO.:	US 2004-796894	A1	20040309 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10312061	20030318
	US 2003-492640P	20030805 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	ROSS J. OEHLER, AVENTIS PHARMACEUTICALS INC., ROUTE 202-206, MAIL CODE: D303A, BRIDGEWATER, NJ, 08807
NUMBER OF CLAIMS:	12
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	2 Drawing Page(s)
LINE COUNT:	1216

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the combination of one or more IK.sub.r channel blockers and of one or more Kv1.5 blockers, in particular phenyl-carboxamides of the formula Ia or Ib ##STR1##

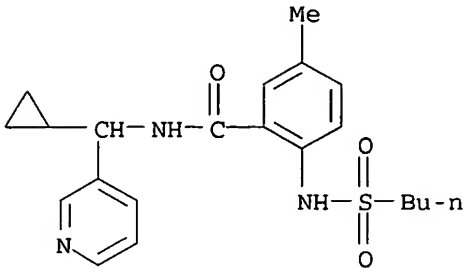
or pharmaceutically tolerable salts thereof, and the use of the combination for the treatment of atrial arrhythmias.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

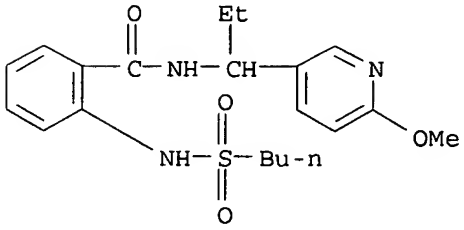
IT **474450-31-2P 474450-36-7P 767334-89-4P 767334-94-1P 767334-98-5P 767334-99-6P 767335-00-2P 767335-01-3P 767335-02-4P 767335-03-5P**
(preparation of 2-aminosulfonylcarboxamides and related compds. as Kv1.5 potassium channel blockers)

RN 474450-31-2 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)

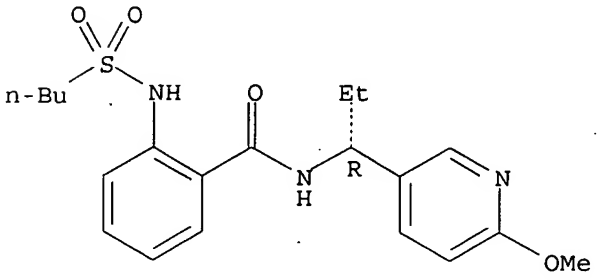


RN 474450-36-7 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



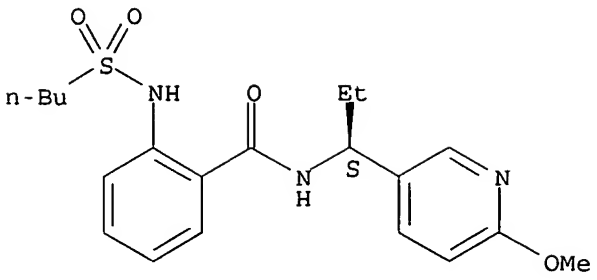
RN 767334-89-4 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-94-1 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

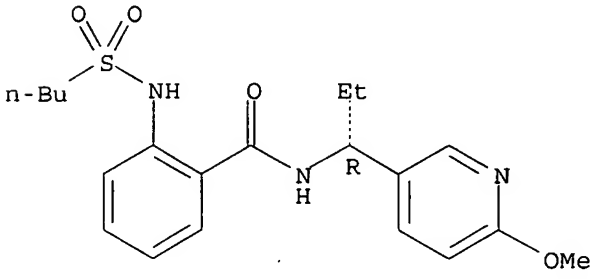


RN 767334-98-5 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

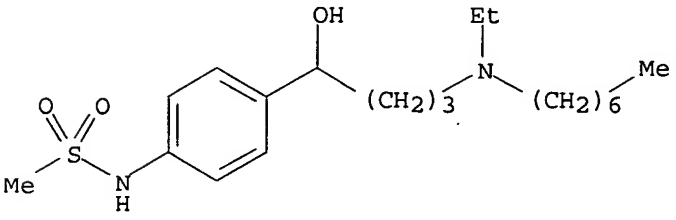
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

CRN 122647-31-8
CMF C20 H36 N2 O3 S

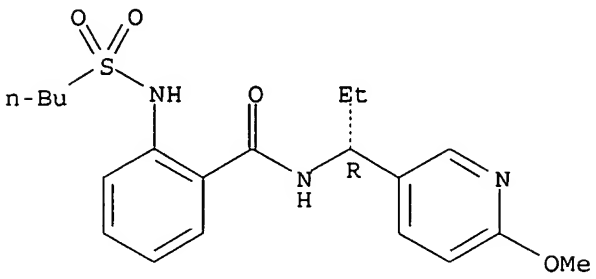


RN 767334-99-6 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[2-[methyl[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

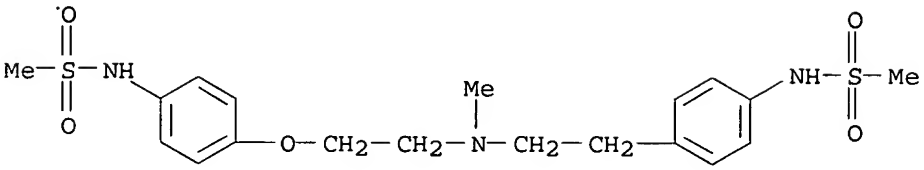
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

CRN 115256-11-6
CMF C19 H27 N3 O5 S2

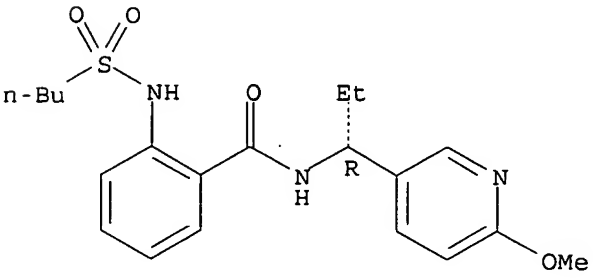


RN 767335-00-2 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

CM 1

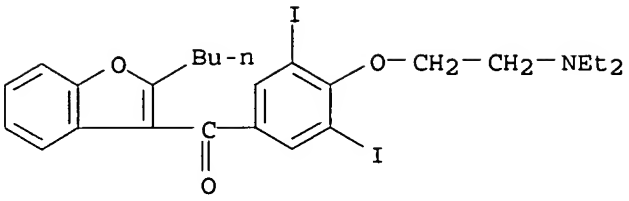
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

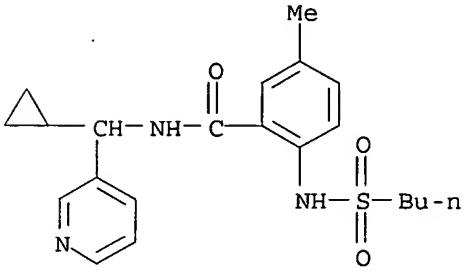
CRN 1951-25-3
CMF C25 H29 I2 N O3



RN 767335-01-3 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

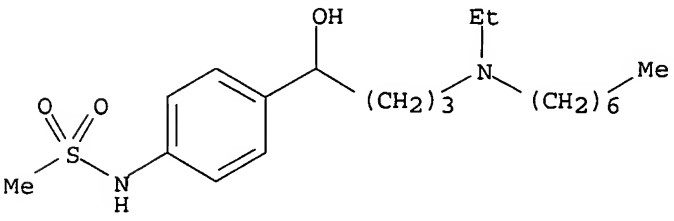
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

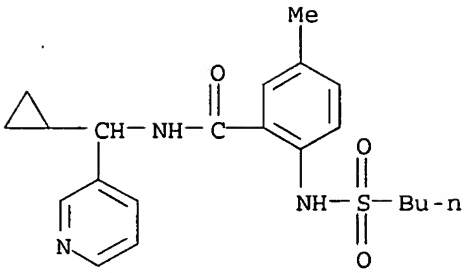
CRN 122647-31-8
CMF C20 H36 N2 O3 S



RN 767335-02-4 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[2-[methyl[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

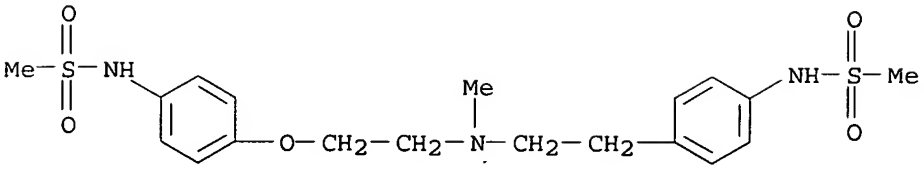
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

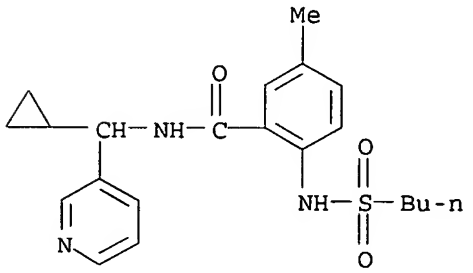
CRN 115256-11-6
CMF C19 H27 N3 O5 S2



RN 767335-03-5 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

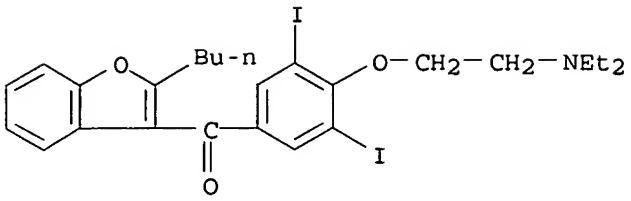
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

CRN 1951-25-3
CMF C25 H29 I2 N O3



L5 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2004:248138 USPATFULL
TITLE:	2-(Butyl-1-sulfonylamino)-N-[1(R)-(6-methoxypyridin-3-yl)propyl] benzamide, its use as a medicament, and pharmaceutical preparations comprising it
INVENTOR(S):	Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF Goegelein, Heinz, Frankfurt, GERMANY, FEDERAL REPUBLIC OF Wirth, Klaus, Kriftel, GERMANY, FEDERAL REPUBLIC OF Kuerzel, Gert Ulrich, Hattersheim, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S):	Aventis Pharma Deutschland GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004192738	A1	20040930	
APPLICATION INFO.:	US 2004-796466	A1	20040309	(10)

	NUMBER	DATE	
PRIORITY INFORMATION:	DE 2003-10312073	20030318	
	US 2003-492637P	20030805	(60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	ROSS J. OEHLER, AVENTIS PHARMACEUTICALS INC., ROUTE 202-206, MAIL CODE: D303A, BRIDGEWATER, NJ, 08807
NUMBER OF CLAIMS:	7
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	1 Drawing Page(s)
LINE COUNT:	487

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-3-yl)propyl]benzamide of the formula I ##STR1##

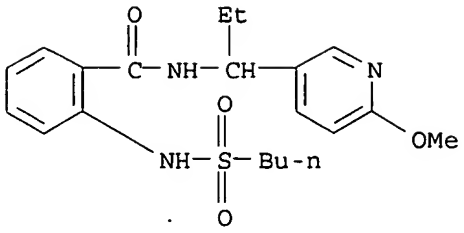
and to its pharmaceutically acceptable salts, their preparation and use, in particular for the treatment and prophylaxis of atrial arrhythmias, for example atrial fibrillation or atrial flutters.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **474450-36-7P 767334-89-4P 767334-94-1P**
(preparation of 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-1)-propyl]benzamide as a Kv1.5 potassium channel blocker)

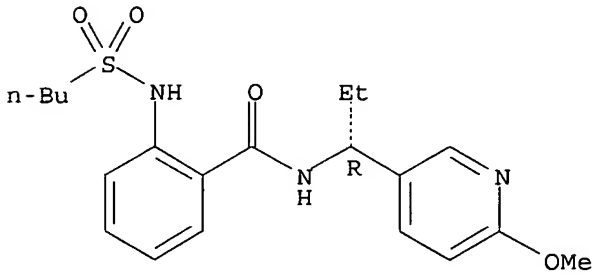
RN 474450-36-7 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



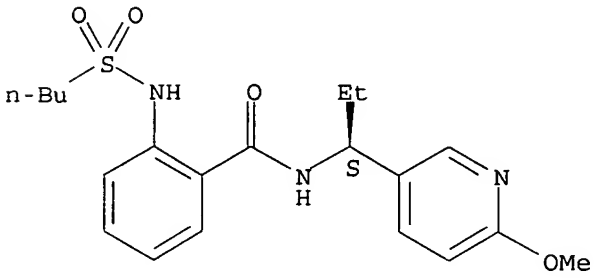
RN 767334-89-4 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-94-1 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 4 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2003:266016 USPATFULL
TITLE: Anthranilamides and methods of their use
INVENTOR(S): Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF
Pirard, Bernard, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Peukert, Stefan, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Kleemann, Heinz-Werner, Bischofsheim, GERMANY, FEDERAL REPUBLIC OF
Hemmerle, Horst, Indianapolis, IN, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION:	US 2003187033	A1	20031002
APPLICATION INFO.:	US 2002-132163	A1	20020426 (10)

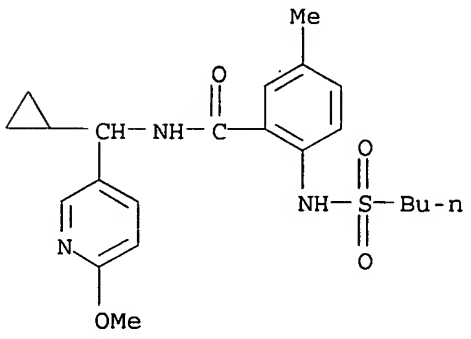
	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-121003	20010428

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 1720
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

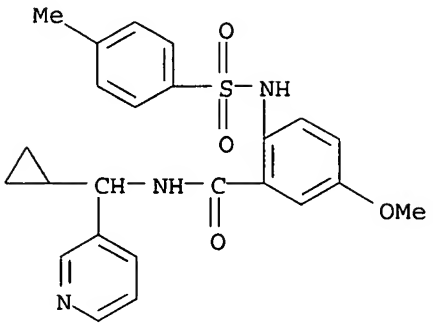
AB The present invention is related to anthranilamides of formula I, ##STR1##

in which R(1) to R(7) have the meanings indicated herein, a process for their preparation, their use as medicaments, and pharmaceutical preparations containing them. The compounds act on the Kv1.5 potassium channel and inhibit a potassium current which is referred to as the ultra-rapidly activating delayed rectifier in the atrium of the human heart. The compounds are therefore suitable for use as novel antiarrhythmic agents for the treatment and prophylaxis of atrial arrhythmias (e.g., atrial fibrillation (AF) or atrial flutter).

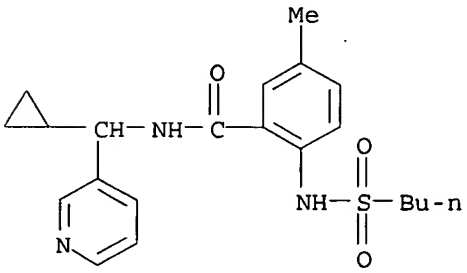
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **474450-28-7P 474450-30-1P 474450-31-2P**
474450-33-4P 474450-36-7P 474450-38-9P
474450-40-3P 474450-43-6P
(preparation of anthranilic acid amides as antiarrhythmics)
RN 474450-28-7 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[cyclopropyl(6-methoxy-3-pyridinyl)methyl]-5-methyl- (9CI) (CA INDEX NAME)



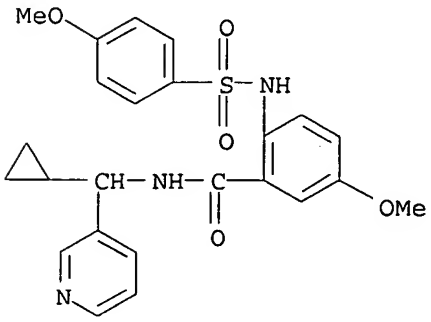
RN 474450-30-1 USPATFULL
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[[(4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



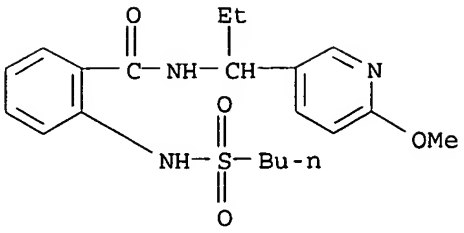
RN 474450-31-2 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



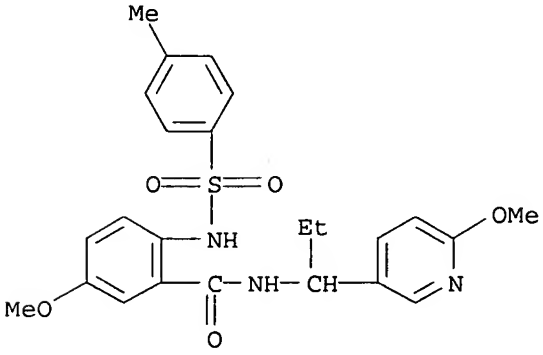
RN 474450-33-4 USPATFULL
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[[(4-methoxyphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



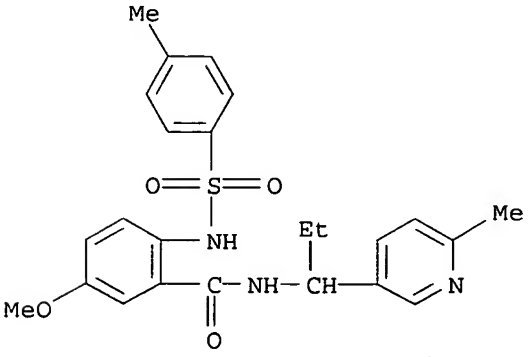
RN 474450-36-7 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



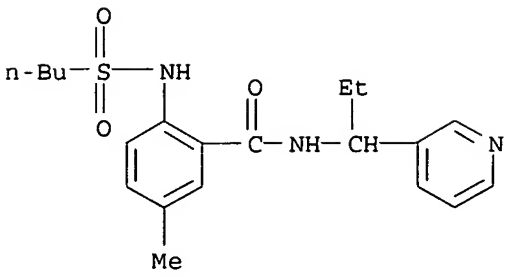
RN 474450-38-9 USPATFULL
CN Benzamide, 5-methoxy-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[[(4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



RN 474450-40-3 USPATFULL
CN Benzamide, 5-methoxy-2-[[(4-methylphenyl)sulfonyl]amino]-N-[1-(6-methyl-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 474450-43-6 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-5-methyl-N-[1-(3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2003:166641 USPATFULL
TITLE:	Anthranilamides with heteroarylsulfonyl side chain, process of preparation, and use
INVENTOR(S):	Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF Bohme, Thomas, Russelsheim, GERMANY, FEDERAL REPUBLIC OF Peukert, Stefan, Frankfurt, GERMANY, FEDERAL REPUBLIC OF Kleemann, Heinz-Werner, Bischofsheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003114499	A1	20030619	
APPLICATION INFO.:	US 2002-166595	A1	20020612	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-128331	20010612

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315
NUMBER OF CLAIMS:	20
EXEMPLARY CLAIM:	1
LINE COUNT:	2069

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention encompasses anthranilamides with heteroarylsulfonyl side chain, process for their preparation, their use as medicament or diagnostic aid, and pharmaceutical preparations containing them. Compounds of formula I, ##STR1##

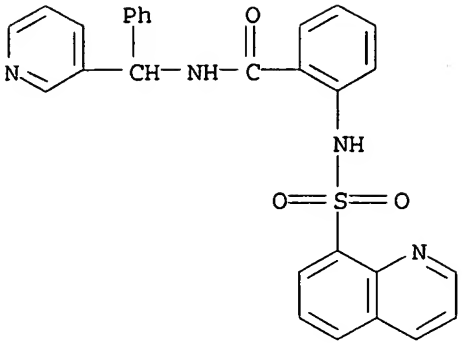
in which R1 to R7 have the meanings stated in the claims, act on the Kv1.5 potassium channel and inhibit a potassium current which is referred to as the ultra-rapidly activating delayed rectifier in the atrium of the human heart. They are therefore suitable as novel antiarrhythmic ingredients, such as for the treatment and prophylaxis of atrial arrhythmias, e.g. atrial fibrillation (AF) or atrial flutter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

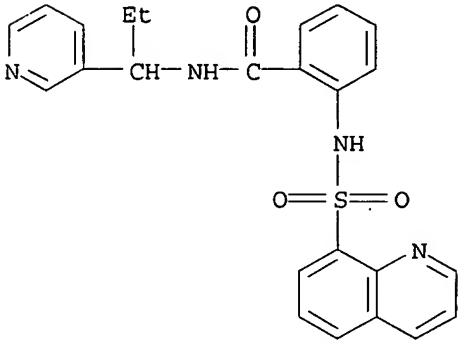
IT **478263-07-9P 478263-12-6P 478263-72-8P 478263-77-3P 478263-84-2P**
(drug candidate; preparation of anthranilic acid amides as antiarrhythmics)

RN 478263-07-9 USPATFULL

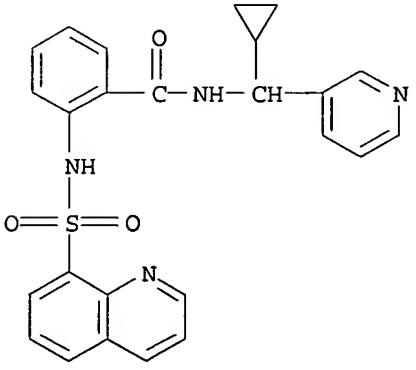
CN Benzamide, N-(phenyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



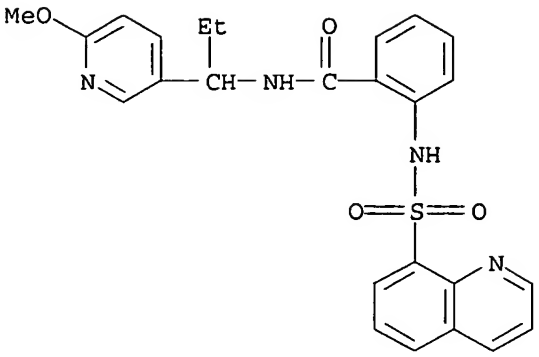
RN 478263-12-6 USPATFULL
CN Benzamide, N-[1-(3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



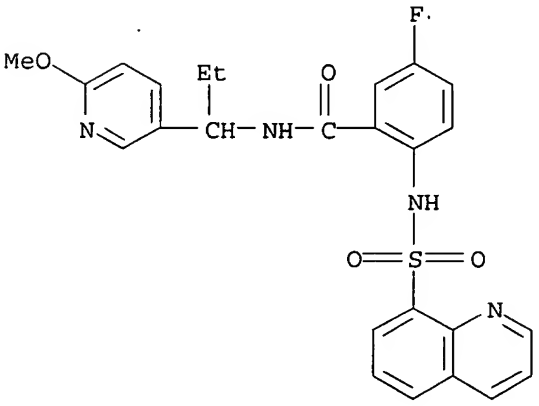
RN 478263-72-8 USPATFULL
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-77-3 USPATFULL
CN Benzamide, N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-84-2 USPATFULL
CN Benzamide, 5-fluoro-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



=>